#### **SEQUENCE LISTING**

### (1) GENERAL INFORMATION

- (i) APPLICANT: Pestka, Sidney
- (ii) TITLE OF INVENTION: Super Proteins Including Interferons, Interleukins, et al.
- (iii) NUMBER OF SEQUENCES: 12
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Plevy & Associates
  - (B) STREET: P.O. Box 1366, 146 Route 1, North
  - (C) CITY: Edison
  - (D) STATE: New Jersey
  - (E) COUNTRY: U.S.A.
  - (F) ZIP: 08818-1366
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Diskette, 5.25 inch, 1.2 Mb storage
  - (B) COMPUTER: IBM Compatible (Intel "386" CPU)
  - (C) OPERATING SYSTEM: MS-DOS 5.0
  - (D) SOFTWARE: WordPerfect 5.1
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NO.: To Be Assigned
  - (B) FILING DATE: June 10, 1994
  - (C) CLASSIFICATION: To Be Assigned
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NO.: 08/076,231
  - (B) FILING DATE: June 11, 1993
  - (C) CLASSIFICATION: 530

- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Plevy, Arthur L.
  - (B) REGISTRATION NO.: 24,277
  - (C) REFERENCE/DOCKET NO.: PESTKA-1
- (ix) TELECOMMUNICATION INFORMATION:
  - (A) TELEPHONE: (908) 572-5858
  - (B) TELEFAX: (908) 572-5963

### (2) INFORMATION FOR SEQ. ID. NO: 1:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 base pairs
  - (B) TYPE: Nucleic Acid
  - (C) STRANDEDNESS: Single
  - (D) TOPOLOGY: Linear
- (ii) MOLECULAR TYPE: Genomic DNA
- (xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 1:

TGGGCTGTGA TCTGCCTC 18

### (2) INFORMATION FOR SEQ. ID. NO: 2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 base pairs
  - (B) TYPE: Nucleic Acid
  - (C) STRANDEDNESS: Single
  - (D) TOPOLOGY: Linear
- (ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 2: CATGATTTCT GCTCTGACAA CC 22

### (2) INFORMATION FOR SEQ. ID. NO: 3:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 base pairs
  - (B) TYPE: Nucleic Acid
  - (C) STRANDEDNESS: Single
  - (D) TOPOLOGY: Linear
- (ii) MOLECULAR TYPE: Genomic DNA
- (xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 3:

  AACCCACAGC CTGGGTAG 18

### (2) INFORMATION FOR SEQ. ID. NO: 4:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 25 base pairs
  - (B) TYPE: Nucleic Acid
  - (C) STRANDEDNESS: Single
  - (D) TOPOLOGY: Linear
- (ii) MOLECULAR TYPE: Genomic DNA
- (xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 4:

  GCGGGCCCCA ATGGCCYTGY CCTTT 25

# (2) INFORMATION FOR SEQ. ID. NO: 5:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 24 base pairs
  - (B) TYPE: Nucleic Acid
  - (C) STRANDEDNESS: Single
  - (D) TOPOLOGY: Linear
- (ii) MOLECULAR TYPE: Genomic DNA
- (xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 5:
  GCTCTAGAAY TCATGAAAGY GTGA 24

## (2) INFORMATION FOR SEQ. ID. NO: 6:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 17 base pairs
  - (B) TYPE: Nucleic Acid
  - (C) STRANDEDNESS: Single
  - (D) TOPOLOGY: Linear
- (ii) MOLECULAR TYPE: Genomic DNA
- (xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 6: CTTGAAGGAC AGACATG 17

## (2) INFORMATION FOR SEQ. ID. NO: 7:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 17 base pairs
  - (B) TYPE: Nucleic Acid

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 7: CTGTCCTCCA TGAGATG 17

### (2) INFORMATION FOR SEQ. ID. NO: 8:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 17 base pairs
  - (B) TYPE: Nucleic Acid
  - (C) STRANDEDNESS: Single
  - (D) TOPOLOGY: Linear
- (ii) MOLECULAR TYPE: Genomic DNA
- (xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 8:

  GGTCATTCAG CTGCTGG 17

### (2) INFORMATION FOR SEQ. ID. NO: 9:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 17 base pairs
  - (B) TYPE: Nucleic Acid
  - (C) STRANDEDNESS: Single
  - (D) TOPOLOGY: Linear
- (ii) MOLECULAR TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 9: TCCTCCTTCA TCAGGGG 17

### (2) INFORMATION FOR SEQ. ID. NO: 10:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 17 base pairs
  - (B) TYPE: Nucleic Acid
  - (C) STRANDEDNESS: Single
  - (D) TOPOLOGY: Linear
- (ii) MOLECULAR TYPE: Genomic DNA
- (xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 10:

  ATTAACCCTC ACTAAAG 17

### (2) INFORMATION FOR SEQ. ID. NO: 11:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 17 base pairs
  - (B) TYPE: Nucleic Acid
  - (C) STRANDEDNESS: Single
  - (D) TOPOLOGY: Linear
- (ii) MOLECULAR TYPE: Genomic DNA
- (xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 11:
  TAATACGACT CACTATA 17

## (2) INFORMATION FOR SEQ. ID. NO: 12:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 570 base pairs
  - (B) TYPE: Nucleic Acid
  - (C) STRANDEDNESS: Single
  - (D) TOPOLOGY: Linear
- MOLECULAR TYPE: Genomic DNA (ii)
- (xi) SEQUENCE DESCRIPTION: SEQ. ID. NO: 12:

																	-		GCC Ala		9
10	TCC Ser -20	TTT Phe	TCT Ser	TTA Leu	CTG Leu	ATG Met	GTC Val	GTG Val	CTG Leu	GTA Val	CTC Leu -10	AGC Ser	TAC Tyr	AAA Lys	TCC Ser	ATC Ile	TGC Cys	TCT Ser	CTG Leu	GGC Gly -1	69
70										CGT Arg 10											129
130	ATG Met	gga Gly	AGA Arg	ATC Ile	TCT Ser	CCT Pro	TTC Phe	TCC Ser	TGC Cys	TTG Leu 30	AAG Lys	GAC Asp	AGA Arg	CAT His	GAA Glu	TTC Phe	AGA Arg	TTC Phe	CCA Pro	GAG Glu 40	189
190	GAG Glu	GAG Glu	TTT Phe	GAT Asp	GGC Gly	CAC His	CAG Gln	TTC Phe	CAG Gln	AAG Lys 50	ACT Thr	CAA Gln	GCC Ala	ATC Ile	TCT Ser	GTC Val	CTC Leu	CAT His	GAG Glu	ATG Met 60	249
250										ACA Thr 70											309
310										TAC Tyr 90											369
370										CCC Pro 110											429
430										TAT Tyr 130											489
490										AGA Arg 150											549
550				AGG Arg				_	-												